



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF
CHEMICAL SAFETY
AND POLLUTION
PREVENTION

October 15, 2015

MEMORANDUM

Subject: Review for 74712-L

From: Chris Jiang, Chemist
Chemistry and Toxicology Team
Product Science Branch
Antimicrobials Division (7510P)

Thru: Karen P. Hicks, CT Team Leader
Chemistry and Toxicology Team
Product Science Branch
Antimicrobials Division (7510P)

To: Julie Chao PM 33/Terria Northern
Regulatory Management Branch I
Antimicrobials Division (7510P)

Applicant: Special Materials Company

Chris Jiang

Karen Hicks

Formulation from Label

<u>Active Ingredient(s)</u>	<u>% by wt.</u>
Glutaraldehyde	45.0
<u>Other Ingredients</u>	55.0
Total	100.0

BACKGROUND:

The registrant has submitted a cover letter, a label, a Confidential Statement of Formula (CSF) for the basic formulation, a data matrix, and MRID 49474701 to address the product chemistry requirements of this manufacturing product.

FINDINGS:

1. The concentration of the active ingredient on the Confidential Statement of Formula (CSF dated July 15, 2015 for the basic formulation) is consistent with the label declaration. This CSF supersedes all previous CSFs for the basic formulation.
2. All ingredients are approved for use in pesticidal products.
3. The product identity and composition is **acceptable**.
4. The description of starting materials is **acceptable**.
5. The description of the formulation process is **acceptable**.
6. The certified limits are based on EPA standard certified limits and are **acceptable**.
7. The preliminary analysis is **acceptable**.
8. The enforcement analytical method is **acceptable**.
9. The submittal of samples is **acceptable**.
10. The color, physical state, and odor are **acceptable** as the product is a yellowish liquid with a strong, pungent odor.
12. The density is **acceptable** as the density was determined to be 1.113 g/mL.
13. The pH is **acceptable** as the pH was determined to be 3.78.
14. The oxidation/reduction potential is **acceptable** as the product does not contain any oxidizing or reducing agents.
15. The flammability is **acceptable** as the product does not contain any combustible liquids.
16. The explodability is **acceptable** as the product is not potentially explosive.
17. The storage stability is **acceptable**. The registrant is using the storage stability data from 464-492 to support this product.

18. The miscibility is **acceptable** as the product is not to be diluted with petroleum solvents.
19. The viscosity is **acceptable** as the viscosity is 10 to 20 mPa according to public literature.
20. The corrosion characteristics is **acceptable**. MRID 49474701 indicates that the product is not corrosive to product containers. The RED for gluteraldehyde indicates this requirement is not applicable.
21. The dielectric breakdown voltage is **acceptable** as the electrical conductivity was 777.0 microsiemens/centimeter at 22.5°C. This is from the data on EPA Registration No. 464-705

CONCLUSIONS:

Product Science Branch of Antimicrobials Division finds the CSF dated July 15, 2015 for the basic formulation and the data for 74712-L to be acceptable for product chemistry.